



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

4WD-NSRB

NOV 10 1993

Carl A. Neumayer
Director of Operations and Maintenance
Louisville and Jefferson County
Metropolitan Sewer District
400 South Sixth Street
Louisville, Kentucky 40202-2397

RE: Comments on the Statement of Technical and Work
Specifications for Drilling Services
Lees Lane Landfill Site
Louisville, Kentucky

Dear Mr. Neumayer:

The U.S. Environmental Protection Agency (EPA), and the Commonwealth of Kentucky have reviewed the above-mentioned document prepared for the bidding process, and installation of the ground water monitoring well in the vicinity of the collapsed well at 6707 Glenbrook Avenue. The Specifications contained in the document follow the US-EPA, Region IV, Environmental Services Division; Environmental Compliance Branch Standard Operating Procedures and Quality Assurance Manual, February 1, 1991, (ECBSOPQAM). However, the following comments should be addressed for clarification purposes:

- The write-up describing the drilling procedures do not agree with the well diagram.
- The "volclay seal" mentioned in the text should be more specific such as volclay pure gold bentonite pellets.
- The text mentions that an 8-inch ID hollow stem auger will be used to install the well. The well diagram states that a minimum 9 5/8 inch hole will be bored. This should be clarified in the text or corrected in the diagram.
- The well diagram shows the outer protective casing to be sitting in the concrete pad and not extending down into the annular space in accordance with the SOP. The arrow is pointing to the borehole well and not to the protective casing.



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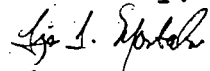
- The 30 mesh sand to be used should be designed 20/40, 20/30, etc. according to the specified filter pack for a 10 slot screen.
- An alternate drilling method should be proposed in the bid package in case the hollow stem method fails. This will minimize additional costs and down time.

The Kentucky Department for Environmental Protection (KDEP), Division of Water, has regulations concerning monitoring wells which MSD should be aware of and refer to in the document. The driller has to submit a record of the monitoring well construction on Kentucky Monitoring Well Record (Form DEP 9043, obtainable from the Division of Water, 14 Reilly Road, Frankfort, KY). Also, the owner has the responsibility for properly abandoning a monitoring well that has become unsuitable for use, pursuant to 401 KAR 6:310 (13). Please incorporate the requirements of the Kentucky Division of Water in the Statement of Technical and Work Specifications for Drilling Services.

Regarding the Ziegler's residence, please notify EPA of MSD's efforts to provide municipal drinking water to this residence.

If you have any questions concerning the comments mentioned above, please give me a call at (404) 347-7791.

Sincerely,



Liza I. Montalvo
Remedial Project Manager
Kentucky/Tennessee Section

cc: Rick Hogan, KDEP